

WHAT IS CLAIMED IS:

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1. An electronic device configured to be connected by a serial bus including a signal line and a shield line, comprising:

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a signal receiving unit configured to receive signals from the shield line; and

an identification unit connected to the signal receiving unit and configured to identify the received signals,

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wherein a self-test is performed based on results of the identification.

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2. The electronic device as claimed in claim 1, wherein said signals from the shield line include one of direct-current voltage signals, tone signals, and digital signals.

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3. The electronic device as claimed in claim 1, wherein the serial bus is a USB.

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4. The electronic device as claimed in claim 1, further comprising a display for displaying results of the self-test.

5                   5. An electronic device configured to be  
connected by a serial bus including a signal line,  
comprising:

                  a signal receiving unit configured to  
receive signals off a standard for the serial bus  
10 from the signal line; and

                  an identification unit connected to the  
signal receiving unit and configured to identify the  
received signals,

                  wherein a self-test is performed based on  
15 results of the identification.

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claim 5, wherein said signals off the standard for  
the serial bus include one of signals having  
voltages exceeding the standard for the serial bus,  
signals different in transmission speed from the  
25 standard for the serial bus standard, and signals  
different in protocol from the standard for the  
serial bus standard.

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                  7. The electronic device as claimed in  
claim 5, wherein the serial bus is a USB.

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8. The electronic device as claimed in claim 5, further comprising a display for displaying results of the self-test.

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9. A testing device for transmitting test command signals to an electronic device connected with the testing device by a serial bus including a signal line and a shield line, said testing device transmitting the test command signals to the electronic device through the shield line.

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10. A testing device for transmitting test command signals to an electronic device connected with the testing device by a serial bus including a signal line, said testing device transmitting signals off a standard of the serial bus as said test command signals to the electronic device through the signal line.

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